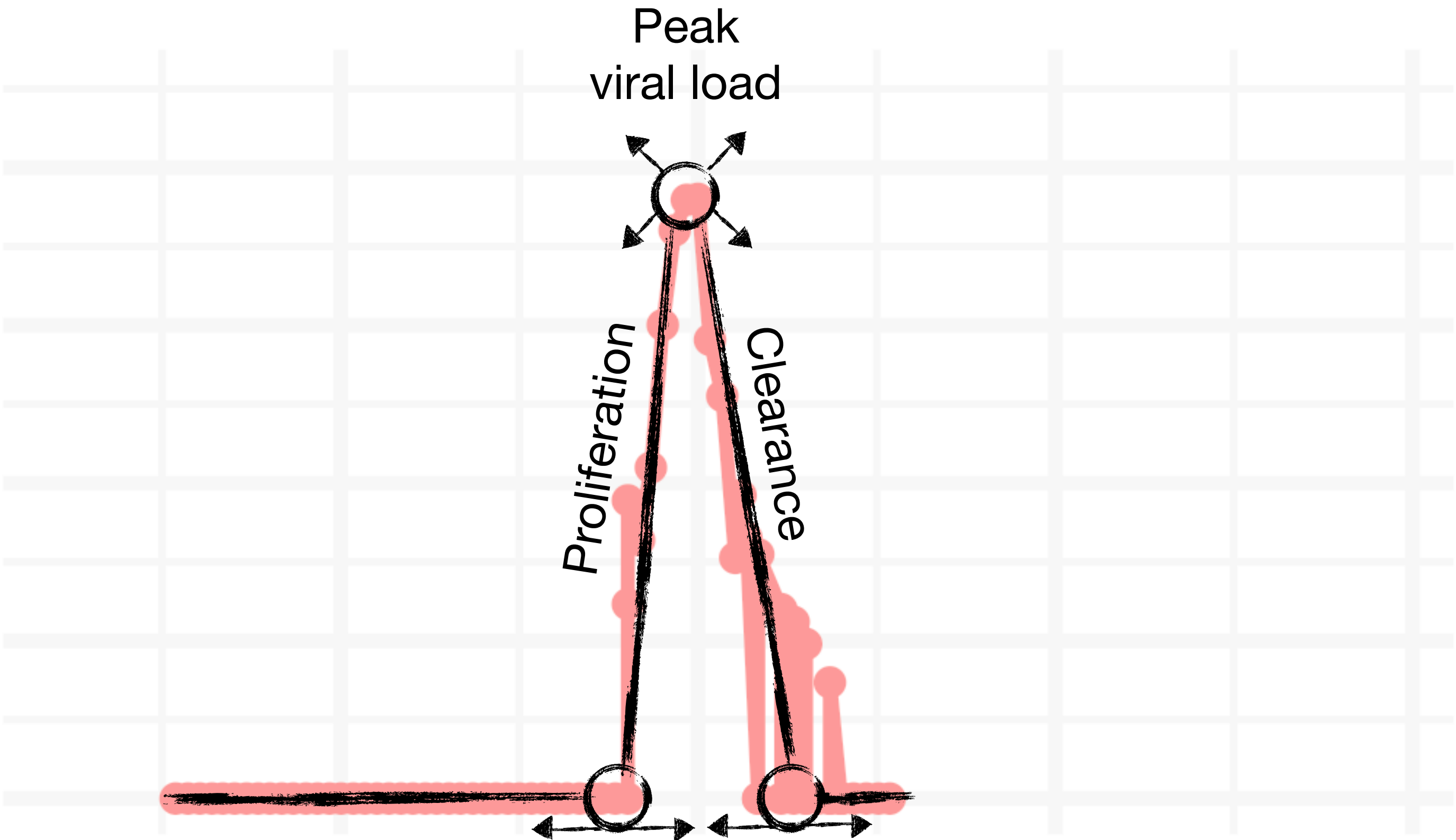# Modeling viral kinetics

Modeling viral kinetics

$$E[Ct(t)] = \begin{cases} \text{l.o.d.} & t \le t_o \\ \text{l.o.d.} - \frac{\delta}{t_p - t_o}(t - t_o) & t_o < t \le t_p \\ \text{l.o.d.} - \delta + \frac{\delta}{t_r - t_p}(t - t_p) & t_p < t \le t_r \\ \text{l.o.d.} & t > t_r \end{cases}$$